

**SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION**

**Company's Name and Address:**

Dallas Chemical Technologies  
10120 Hirsch Road  
Houston, TX 77016

**Emergency Telephone:** (713) 631-2009

**Information Telephone:** (281) 419-9737

**Date MSDS prepared:** 22 Aug 2001

**Safety Data Review:** 22 Aug 2001

**SUBSTANCE:** FDR - 500

**TRADE NAMES/SYNONYMS:** Spent sulfite liquor; spent pulping liquor

**CHEMICAL FAMILY:** Wood Chemicals

**SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS**

<b><u>COMPONENT</u></b>	<b><u>%</u></b>	<b><u>CAS RN</u></b>	<b><u>Exposure Limits</u></b>
Calcium lignosulfonate	15-20	8061-52-7	Unknown
Ammonium lignosulfonate/hemicellulose	15-20	8061-53-8	Unknown
Proprietary Inorganic Materials	25-35	not regulated	

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**WARNING:**

Black or brown liquid  
Causes skin and eye irritation

**SYMPTOMS FROM ROUTINE EXPOSURE:**

No effects from routine exposure to lignosulfonates are known

**SYMPTOMS FROM OVEREXPOSURE:**

Prolonged contact may cause skin irritation to sensitive individuals

**PRIMARY ROUTE OF ENTRY:**

Skin contact, eye contact, ingestion

**SENSITATION TO MATERIAL:**

May cause allergic reaction in rare cases

**Medical Conditions Aggravated by Exposure**

None currently known.

**SECTION 4: FIRST AID MEASURES**

**SKIN CONTACT:**

Remove contaminated clothing, jewelry and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).

**EYE CONTACT:**

Wash eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes).

**INGESTION:**

If swallowed do not induce vomiting. If victim is fully conscious dilute stomach contents with large amounts of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**SECTION 5: FIRE & EXPLOSION HAZARD DATA**

**FLASH POINT (TEST METHOD)**

Not Applicable

**AUTO IGNITION TEMPERATURE**

Not Applicable

**FLAMMABLE LIMITS**

Not Applicable

**EXTINGUISHING MEDIA:**

Dry chemical, carbon dioxide, water spray or regular foam, Alcohol-type of universal type foams applied by recommended techniques.

**SPECIAL FIREFIGHTING PROCEDURES:**

Use supplied breathing air and protective clothing

**USUAL FIRE & EXPLOSION HAZARDS:**

None

**SECTION 6: ENVIRONMENTAL PROTECTION PROCEDURES**

**SPILL RESPONSE:**

Dam spill, retrieve liquid where possible – flush with water to sewer in accordance with local, state and federal requirements.

**WASTE DISPOSAL METHOD:**

Flush to sewer in accordance with local, state and federal requirements.

**SECTION 7: HANDLING AND STORAGE**

Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin or clothing. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Containers of this material may be hazardous when empty because they retain product residues (solids); observe all warnings and precautions listed for the product. Do not permit contact with acidic materials.

**SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

Exposure limits: Not known. Not listed by ACGIH. Not listed as carcinogen by NTP, OSHA, and IARC.

**VENTILATION:**

No special requirements

**EYE PROTECTION:**

Employee must wear chemical splash goggles or a face shield.

**EMERGENCY WASH FACILITIES:**

Where there is any possibility that an employee's eyes and/or skin may be exposed to this substance, the employer should provide an eye wash fountain and quick-drench shower within the immediate work area for emergency use.

**CLOTHING:**

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

**GLOVES:**

Employee must wear appropriate protective gloves, such as neoprene or butyl gloves or gauntlets, to prevent contact with this substance.

**RESPIRATOR:**

Full protection recommended.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**DESCRIPTION:** Black or dark brown liquid.

**ODOR:** Slight odor

**PHYSICAL STATE:** Liquid

**MELTING POINT:** N/A

**BOILING POINT:** Variable

**WATER SOLUBILITY:** 100% soluble in water. Other solvents not available.

**FLASH POINT:** Not determined

**pH OF AQUEOUS SOLUTION:** 5.0 –8.0

**VAPOR PRESSURE:** Not available

**SPECIFIC GRAVITY:** 1.1 – 1.4

**SECTION 10: STABILITY AND REACTIVITY**

Stable under ordinary conditions of use and storage. Hazardous polymerization will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition liquor may emit fume of sulfur dioxide, hydrogen sulfide, and carbon monoxide.

**CONDITIONS TO AVOID:** Strong acids, oxidants.

**INCOMPATIBILITIES:** Strong acids, oxidizers. Contact with strong acids can lead to release of hydrogen sulfide gas. Incompatible with brass, copper and aluminum.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICITY DATA:** No data available.

**CARCINOGEN STATUS:** None of this product's components are listed by IARC, OSHA, or NTP.

**SECTION 12: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL IMPACT RATING(0-4):** No Data Available

**ACUTE AQUATIC TOXICITY:** No Data Available

**DEGRADABILITY:** No Data Available

**LOG BIOCONCENTRATION FACTOR (BCF):** No Data Available

**LOG OCTANOL/WATER PARTITION COEFFICIENT:** No Data Available

**SECTION 13: TRANSPORT INFORMATION**

DOT: Non-regulated

DOT Hazard Class/I.D. No.: N/A

**SECTION 14: REGULATORY INFORMATION**

**Chemical Inventory Status**

Not listed